Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Sunday 17 Dec 2023 until 23:59 on Monday 18 Dec 2023

Forecast Issued on Sunday 17 Dec 2023 at 03:02

Confidence: High confidence for general weather pattern, lower for rainfall detail by Tuesday.

Headline for Sunday 17 Dec 2023: Cloudy and windy, with rain arriving late evening.

Mountain weather hazards on Sunday 17 Dec 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
FOG					
Fog	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Light rain
Precipitation probability					
10%	10%	10%	10%	10%	40%

Forecast for Sunday 17 Dec 2023

Weather: A cloudy day with the best of any breaks in the east. Staying largely dry with some spots of light drizzle on western slopes. By late evening rain will start to push southwards over the area, turning heavy later. Strong winds throughout.

Chance of cloud-free hill tops above 600m: 20% west, 40% east.

Low cloud and visibility: Broken low cloud base 500-700m on western slopes, with some breaks in the east. Visibility good at low levels but poor in hill fog or drizzle.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 17 Dec 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/39 SW	30/37 SW	31/41 SW	31/41 SW	28/38 SW	27/36 SW	25/34 SW
300	21/28 SW	19/25 SW	22/30 SW	22/32 SW	19/29 SW	19/28 SW	19/29 SW
Valley	12/27 SW	10/24 SW	14/30 SW	15/31 SW	13/27 SW	11/25 SW	11/26 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-2	4/-2	5/-1	6/0	6/0	6/0	6/1
300	7/2	6/2	8/3	8/4	8/4	8/4	8/4
Valley	8/4	7/4	8/5	9/6	9/6	9/6	8/6
Freezing Level*	2300m	2200m	2000m	1900m	1900m	2600m	3000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View
Strong winds, particularly at height, will hamper progress.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sun 17 Dec 2023	0mm	0mm	19.3mm

Forecast for Monday 18 Dec 2023
Weather: Another cloudy day with heavy rain at first, this easing into the afternoon but light rain persisting. Drier by late evening with skies clearing for a time.

Maximum wind: Southwest 20-25 mph gusting 35-45 mph, easing through the day.

Chance of cloud-free hill tops above 600m: 20-30%, improving to 80% late evening.

Low cloud and visibility: Broken low cloud base 500-700m, lowering 400m at times, clearing late evening. Visibility moderate or poor in rain and hill fog, improving to good late evening.

Temperature: **Valleys:** Plus 8 to 12 Celsius
At 600m: Plus 6 to 9 Celsius
Freezing level: Above summits

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